

## DRAFT DØ RUN IIb CHANGE REQUEST

1) DATE: 10-31-03	2) WBS NUMBER: 1.6 Layer 0 Silicon Upgrade	3) ORIGINATOR: V. O'Dell		
4) TITLE OF CR & MASTER LOG NUMBER:				
5) WBS DESCRIPTION OF PRIMARY AFFECTED TASKS:				
<b><i>WBS #</i></b>	<b><i>Task</i></b>	<b><i>Old dates</i></b>	<b><i>New dates</i></b>	
1.6	Layer 0 Silicon Upgrade	none	5/06 Completion Date	
There is available a fully resource level WBS breakdown for this new subproject.				
6) TECHNICAL DESCRIPTION AND PRIMARY MOTIVATION OF CHANGE (technical, cost, schedule, or other; include interfaces with other areas and use attachments, as necessary):				
Descope version of the Run IIb silicon upgrade, consisting of a layer of silicon on the Run IIb beam pipe, which is already in hand. It will enhance the b-tagging and overall tracking performance for Run IIa, and provide insurance against degradation of the silicon existing silicon tracker in the event of radiation damage. The descope version of the detector is described in detail in the "D-Zero Silicon Layer 0 Conceptual Design Report".				
7) ASSESSMENT OF COST IMPACT:				
<u>WBS</u>	-----Before CR----- <u>DOE MIE</u> <u>Contingency</u>	-----After CR----- <u>DOE MIE</u> <u>Contingency</u>	-----Delta (+/-)----- <u>DOE MIE</u> <u>Contingency</u>	Total Cost Increases*
1.6	0            0	0.9        1.0	0.9        1.0	1.9
Run IIb Budget Officer Concurrence _____ Initial / Date    Input to Cost Estimate Complete _____ Initial				
8) ASSESSMENT OF SCHEDULE IMPACT AND LIST OF AFFECTED MILESTONES. ATTACH ADDITIONAL PAGES AS NECESSARY:				
<u>Milestone</u>	<u>Description</u>	---Before CR--- <u>Date</u>	---After CR--- <u>Date</u>	---Delta (+/-)---
D-Zero 1.6	Silicon Ready to Move to D-Zero Assembly Building	05/06	05/06	none*
Run IIb Schedule Manager Concurrence _____		Initial / Date	Input to	
Schedule Complete _____		Initial		
* This milestone originally referred to the full RunIIb Silicon Detector Upgrade, but is reassigned to the descope version presented here.				
9) SECONDARY IMPACT: ES&H AND OTHER COMMENTS:				
10) APPROVALS				
DØ Run IIb Project Manager _____		Signature / Date		
DØ Run IIb Level 2 Manager _____		Signature / Date		
DØ Run IIb Level 3 Manager (1.1.3) _____		Signature / Date		

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11) FERMILAB DIRECTOR DISPOSITION		
<input type="radio"/> Approved	<input type="radio"/> Disapproved	_____ Signature/Date
12) DOE DISPOSITION		
<input type="radio"/> Approved	<input type="radio"/> Disapproved	_____ Signature/Date